5-65. See below:

a. Yes, the 90^{th} term or $t(90) = 447$

b. No

c. Yes, the 152^{nd} term or $t(152) = 447$

d. No

e. No, $n = -64$ is not in the domain.

5-66. Justifications vary.

5-67. See below:

a. $m = 3,\ t(n) = 3n + 1$

b. $m = 5,\ t(n) = 5n - 2$

c. $m = -5,\ t(n) = -5n + 29$

d. $m = 2.5,\ t(n) = 2.5n + 4.5$

5-68. See below:

a. Descriptions vary, but students may say they are multiplying by 1.1 or growing by 10% each year.

b. \$88.58

5-69. $m = 13, b = 17$

5-70. $5b + 3h = 339,\ b = h + 15;$ 48 bouquets and 33 hearts